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Sheet

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of

13

Application Number

10/507.387

Filing Date

09/10/04

First Named Inventor

Dipankar SEN

Art Unit

Examiner Name

Attorney Docket Number

CDM/2353.0010

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**INFORMATION DISCLOSURE
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Sheet

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10/507,387

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Dipankar SEN

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NON PATENT LITERATURE DOCUMENTS

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/JZ/		GIESE, BERND - Long-Distance Charge Transport in DNA The Hopping Mechanism - Acc. Chem. Res. 2000, 33, 631-636 - Department of Chemistry, University of Basel, St. Johannis-Ring 19, CH-4056 Basel, Switzerland	
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Signature

/Jane Zara/

Date
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		HALL, DANIEL B. and BARTON, JACQUELINE K. - Sensitivity of DNA-Mediated Electron Transfer to the Intervening -Stack: A Probe for the Integrity of the DNA Base Stack - J. Am. Chem. Soc. 1997, 119, 5045-5046 - Division of Chemistry and Chemical Engineering, California Inst. of Tech., Pasadena, CA 91125	
/JZ/		RAJSKA, SCOTT R.; and BARTON, JACQUELINE K. - How Different DNA-Binding Proteins Affect Long-Range Oxidative Damage to DNA - Biochemistry 2001, 40, 5556-5564 - Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125	
/JZ/		GASPER, SUSAN M. and SCHUSTER, GARY B. - Intramolecular Photoinduced Electron Transfer to Anthraquinones Linked to Duplex DNA: The Effect of Gaps and Traps on Long-Range Radical Cation Migration J. Am. Chem. Soc. 1997, 119, 12762-12771 - School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, Georgia 30332	
		KAN, YONGZHI and SCHUSTER, GARY B. - Long-Range Guanine Damage in Single-Stranded DNA: Charge Transport Through a Duplex Bridge and in a Single- Stranded Overhang - Journal of the American Chemical Society - Volume 121, Number 47, December 1, 1999	
Examiner Signature	/Jane Zara/		Date Considered 10/07/2008

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		First Named Inventor	Dipankar SEN
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		PORATH, DANNY; BEZRYADIN, ALEXEY; de VRIES, SIMON; and DEKKER, CEES - Direct Measurement of Electrical Transport Through DNA Molecules - <u>Letters to Nature</u> 2000 Macmillan Magazines Ltd. - Dept. of Applied Sciences, Delft University of Technology, 2628 CJ Delft, The Netherlands	
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/JZ/		HALL, DANIEL B., et al. - Oxidative DNA Damage Through Long-Range Electron Transfer - <u>Letters to Nature</u> - <u>Nature</u> , Vol. 382, August 22, 1996 - Division of Chemistry and Chemical Engineering, CA. Inst. of Technology, Pasadena, CA 91125	
		NUNEZ, MEGAN E. - Long-Range Oxidative Damage to DNA: Effects of Distance and Sequence - Research Paper - Division of Chemistry and Chemical Eng., CA Inst. of	
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		First Named Inventor	Dipankar SEN		
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/JZ/		BIXON, M., et al. - Long-Range Charge Hopping in DNA - PNAS, October 12, 1999, Vol. 96, No. 21, pp. 11713-11716 - School of Chemistry, Tel Aviv Univ, Ramat Aviv, Tel Aviv 69978, Israel	
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Dipankar SEN

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/JZ/		PEATIE, DEBRA A. - Direct Chemical Method for Sequencing RNA - Proc. Natl. Acad. Sci. USA, Vol. 76, No. 4, pp. 1760-1764, April 1979 Biochemistry - Department of Biochemistry and Molecular Biology, Harvard University, Cambridge, Massachusetts 02138	
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/JZ/		HUIZENGA, DAVID E., et al. - A DNA Aptamer That Binds Adenosine and ATP - Biochemistry 1995, 34, 656-665 - 1995 American Chemical Society	
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/JZ/		ODOM, DUNCAN T., et al. - Robert Charge Transport in DNA Double Crossover Assemblies - Research Paper - Chemistry & Biology 2000, 7:475-481 - Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125	
/JZ/		TELSER, JOSHUA - DNA Duplexes Covalently Labeled at Two Sites: Synthesis and Characterization by Steady-State and Time-Resolved Optical Spectroscopies - J. Am. Chem. Soc. 1989, 111, 7226-7232 - 1989 American Chemical Society	

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/JZ/		Author Unknown - Amine-Reactive Probes - Molecular Probes - Product Information - Revised: 12/08/03	
/JZ/		HALL, DANIEL B., et al. - Oxidative DNA Damage Through Long-Range Electron Transfer - Letters to Nature - Nature, Vol. 382, 08/22/96 - Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125	
/JZ/		NUNEZ, MEGAN E; HALL, DANIEL B.; and BARTON, JACQUELINE K. - Long-Range Oxidative Damage to DNA: Effects of Distance and Sequence - Research Paper, Chemistry & Biology, February 1999, 6:85-97	

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/JZ/		GRINSTAFF, MARK W. - How Do Charges Travel Through DNA? - An Update on a Current Debate - Highlights, Angew. Chem. Int. Ed. 1999, 38, No. 24 - WILEY-VCH Verlag GmbH, D-69451 Weinheim, 1999	
/JZ/		SAITO, ISAO - Mapping of the Hot Spots for DNA Damage by One-Electron Oxidation: Efficacy of GG Doublets and GGG Triplets as a Trap in Long-Range Hole Migration - J. Am. Chem. Soc. 1998, 120, 12686-12687 - 1998 American Chemical Society	

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Attorney Docket Number

CDM/2353.0010

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/JZ/		WELLINGER, R. J. and SEN, D. - <i>The DNA Structures at the Ends of Eukaryotic Chromosomes</i> - European Journal of Cancer, Vol. 33, No. 5, pp. 735-749, 1997	
/JZ/		SIMONSSON, TOMAS - <i>G-QUADRUPLEX DNA STRUCTURES - VARIATIONS ON A THEME</i> - Biol. Chem., Vol. 382, pp. 621-628, April 2001, Medical Research Council, Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, UK	
/JZ/		GIESE, BERND, et al. - <i>Direct Observation of Hole Transfer Through DNA By Hopping Between Adenine Bases and By Tunnelling</i> - Letters to Nature, Nature, Vol. 412, July 19, 2001 Macmillan Magazines Ltd.	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/507,387
Filing Date	09/10/04
First Named Inventor	Dipankar SEN
Art Unit	
Examiner Name	
Attorney Docket Number	CDM/2353.0010

Sheet	11	of	13
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/JZ/		NAKATANI, KAXUHIKO, et al. - N2- Phenyldeoxyguanosine: Modulation of the Chemical Properties of Deoxyguanosine toward One-Electron Oxidation in DNA - J. Am. Chem. Soc. 2002, 124, 6802-6803 - Department of Synthetic Chemistry and Biological Chemistry, Faculty of Engineering, Kyoto University	
/JZ/		SAITO, ISAO, et al. - Photoinduced DNA Cleavage via Electron Transfer: Demonstration That Guanine Residues Located 5' to Guanine Are the Most Electron-Donating Sites - J. Am. Chem. Soc. 1995, 117, 6406-6407 - 1995 American Chemical Society	

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of

13

Complete If Known

Application Number

10/507,387

Filing Date

09/10/04

First Named Inventor

Dipankar SEN

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		SZALAI, VERONIKA A. and THORP, H. HOLDEN <i>Electron Transfer in Tetrads: Adjacent Guanines Are Not Hole Traps in G. Quartets</i> - 2000 American Chemical Society - Dept. of Chemistry, Univ. of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3290	
/32/		WANG, YONG, et al. - RNA Molecules That <i>Specifically and Stoichiometrically Bind Aminoglycoside Antibiotics with High Affinities</i> - Biochemistry 1996, 35, 12338-12346, 1996 American Chemical Society - Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, 250 Longwood Avenue, Boston, Massachusetts 02115	
/17/		MAO, CHENGDE, et al. - A Nanomechanical <i>Device Based on the B-Z Transition of DNA - Letters to Nature, Nature, Vol. 397, January 14, 1999 - 1999 Macmillan Magazines Ltd.</i>	

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Sheet 13 of 13	Attorney Docket Number	CDM/2353.0010	

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		SOUKUP, GARRETT A. and BREAKER, RONALD R. - <i>Allosteric Nucleic Acid Catalysts</i> - Department of Molecular, Cellular and Developmental Biology, Yale University, New Haven, Connecticut 06520-8103	
		KELLEY, SHANA, et al. - Weitreichender Elektronentransfer durch DNA-Filme - 1999, pp. 991-996, ZUSCHRIFTEN, WILEY-VCH Verlag GmbH, D-69451 Weinheim, 1999	

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